FIG. 5

```
        START
          │
  READ L1, L2, L3, L4 ──── S10
          │
          │        S12
      ╱───────────╲
     ╱ |L1−L2+L3−L4|╲     N
     ╲  ≤ ε        ╱──────────────────┐
      ╲───────────╱                    │
          │ Y          S14             │ S16
  ┌───────────────────┐    ┌───────────────────────┐
  │ DISPLACEMENT SENSORS│   │   AT LEAST ONE OF     │
  │  ARE ALL NORMAL     │   │  DISPLACEMENT SENSORS │
  │     F←0             │   │     IS ABNORMAL       │
  └───────────────────┘    │        F←1            │
          │                 └───────────────────────┘
          │◄───────────────────────────┘
        END
```
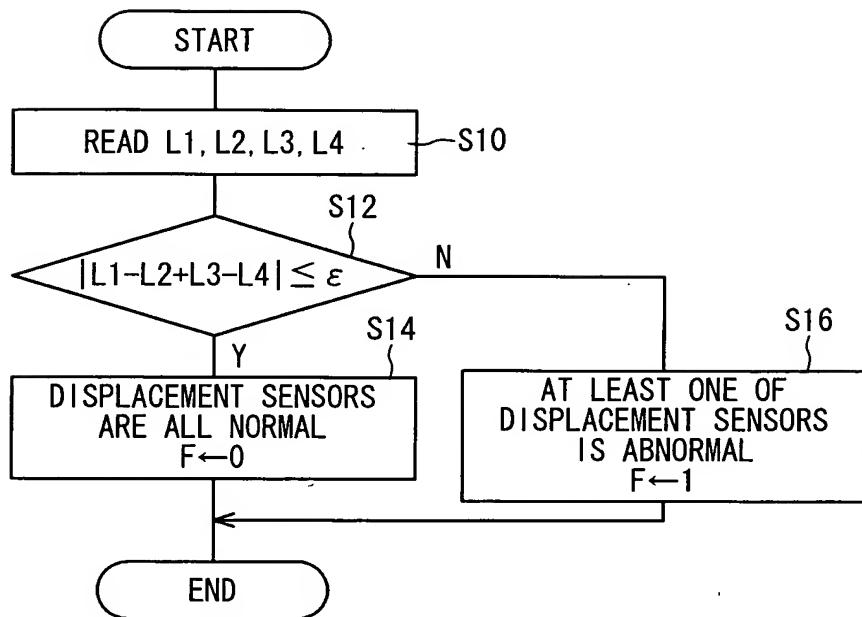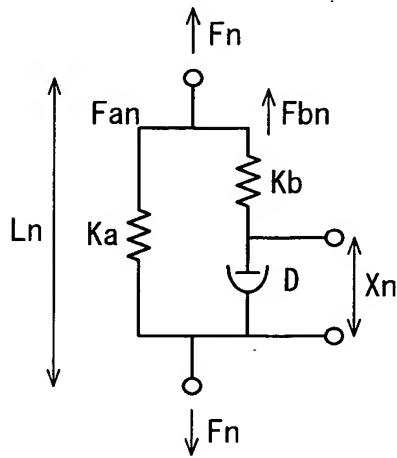
FIG. 6

$$Fn = Fan + Fbn$$
$$Fan = -KaLn + C_1$$
$$Fbn = -Kb(Ln - Xn) + C_2$$
$$Fbn = -D * \frac{d}{dt}Xn$$